



TORQ Analysis of Maintenance Workers, Machinery to Maintenance and Repair Workers, General

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Maintenance Workers, Machinery	49-9043.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Maintenance and Repair Workers, General	49-9042.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

89

Ability TORQ		Skills TORQ		Knowledge TORQ	
Level	88	Level	93	Level	85

Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Information Ordering	60	18	68	Equipment Selection	62	1	70	Building and Construction	65	14	70
Multilimb Coordination	53	12	65								
Problem Sensitivity	51	9	75								
Inductive Reasoning	51	7	62								
Visualization	53	7	59								
Static Strength	48	6	56								
Manual Dexterity	48	4	68								
Oral Expression	51	5	53								
Near Vision	50	4	65								
Deductive Reasoning	48	4	56								
Speech Clarity	34	2	53								

LEVEL and IMPT (IMPORTANCE) refer to the Target Maintenance and Repair Workers, General. GAP refers to level difference between Maintenance Workers, Machinery and Maintenance and Repair Workers, General.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Maintenance Workers, Machinery	Maintenance and Repair Workers, General	Importance
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Problem Sensitivity	42	51	75
Information Ordering	42	60	68
Manual Dexterity	44	48	68
Multilimb Coordination	41	53	65
Near Vision	46	50	65
Inductive Reasoning	44	51	62
Arm-Hand Steadiness	46	44	62
Visualization	46	53	59
Deductive Reasoning	44	48	56
Selective Attention	44	44	56
Finger Dexterity	44	44	56
Static Strength	42	48	56
Oral Comprehension	50	50	53
Oral Expression	46	51	53
Control Precision	48	48	53
Speech Clarity	32	34	53

Skill Level Comparison - Abilities with importance scores over 69

Description	Maintenance Workers, Machinery	Maintenance and Repair Workers, General	Importance
Equipment Maintenance	75	69	76
Repairing	77	61	76
Troubleshooting	72	63	72
Active Listening	58	53	70
Equipment Selection	61	62	70
Installation	78	62	70

Knowledge Level Comparison - Knowledge with importance scores over 69

Description	Maintenance Workers, Machinery	Maintenance and Repair Workers, General	Importance
Mechanical	87	78	87
Building and Construction	51	65	70

Experience & Education Comparison

Related Work Experience Comparison			Required Education Level Comparison		
Description	Maintenance Workers, Machinery	Maintenance and Repair Workers, General	Description	Maintenance Workers, Machinery	Maintenance and Repair Workers, General
10+ years	0%	0%	Doctoral	0%	0%



8-10 years	3%	5%	Professional Degree	0%	0%
6-8 years	0%	7%	Post-Masters Cert	0%	0%
4-6 years	10%	19%	Master's Degree	0%	0%
2-4 years	10%	18%	Post-Bachelor Cert	0%	0%
1-2 years	48%	24%	Bachelors	2%	0%
6-12 months	5%	4%	AA or Equiv	0%	8%
3-6 months	10%	0%	Some College	6%	21%
1-3 months	0%	0%	Post-Secondary Certificate	25%	31%
0-1 month	0%	10%	High School Diploma or GED	64%	25%
None	9%	8%	No HSD or GED	0%	11%

Maintenance Workers, Machinery

Maintenance and Repair Workers, General

Most Common Educational/Training Requirement:

Short-term on-the-job training

Moderate-term on-the-job training

Job Zone Comparison

1 - Job Zone One: Little or No Preparation Needed

No previous work-related skill, knowledge, or experience is needed for these occupations. For example, a person can become a cashier even if he/she has never worked before.

These occupations may require a high school diploma or GED certificate. Some may require a formal training course to obtain a license.

Employees in these occupations need anywhere from a few days to a few months of training. Usually, an experienced worker could show you how to do the job.

3 - Job Zone Three: Medium Preparation Needed

Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.

Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree. Some may require a bachelor's degree.

Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers.

Tasks

Maintenance Workers, Machinery

Core Tasks

Generalized Work Activities:

- Repairing and Maintaining Mechanical Equipment - Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.
- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.

Maintenance and Repair Workers, General

Core Tasks

Generalized Work Activities:

- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Repairing and Maintaining Mechanical Equipment - Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.



smoothing, mulling, sanding, varnishing, stooping, and handling of materials.

Specific Tasks

Occupation Specific Tasks:

- Clean machines and machine parts, using cleaning solvents, cloths, air guns, hoses, vacuums, or other equipment.
- Collaborate with other workers to repair or move machines, machine parts, or equipment.
- Collect and discard worn machine parts and other refuse in order to maintain machinery and work areas.
- Dismantle machines and remove parts for repair, using hand tools, chain falls, jacks, cranes, or hoists.
- Inspect or test damaged machine parts, and mark defective areas or advise supervisors of repair needs.
- Install, replace, or change machine parts and attachments, according to production specifications.
- Inventory and requisition machine parts, equipment, and other supplies so that stock can be maintained and replenished.
- Lubricate or apply adhesives or other materials to machines, machine parts, or other equipment, according to specified procedures.
- Measure, mix, prepare, and test chemical solutions used to clean or repair machinery and equipment.
- Read work orders and specifications to determine machines and equipment requiring repair or maintenance.
- Reassemble machines after the completion of repair or maintenance work.
- Record production, repair, and machine maintenance information.
- Remove hardened material from machines or machine parts, using abrasives, power and hand tools, jackhammers, sledgehammers, or other equipment.
- Replace or repair metal, wood, leather, glass, or other lining in machines, or in equipment compartments or containers.
- Replace, empty, or replenish machine and equipment containers such as gas tanks or boxes.
- Set up and operate machines, and adjust controls to regulate operations.
- Start machines and observe mechanical operation to determine efficiency and to detect problems.
- Transport machine parts, tools, equipment, and other material between work areas and storage, using cranes, hoists, or dollies.

Detailed Tasks

Specific Tasks

Occupation Specific Tasks:

- Adjust functional parts of devices and control instruments, using hand tools, levels, plumb bobs, and straightedges.
- Align and balance new equipment after installation.
- Assemble, install and/or repair wiring, electrical and electronic components, pipe systems and plumbing, machinery, and equipment.
- Clean and lubricate shafts, bearings, gears, and other parts of machinery.
- Diagnose mechanical problems and determine how to correct them, checking blueprints, repair manuals, and parts catalogs as necessary.
- Dismantle devices to gain access to and remove defective parts, using hoists, cranes, hand tools, and power tools.
- Estimate repair costs.
- Fabricate and repair counters, benches, partitions, and other wooden structures such as sheds and outbuildings.
- Grind and reseal valves, using valve-grinding machines.
- Inspect drives, motors, and belts, check fluid levels, replace filters, and perform other maintenance actions, following checklists.
- Inspect used parts to determine changes in dimensional requirements, using rules, calipers, micrometers, and other measuring instruments.
- Inspect, operate, and test machinery and equipment in order to diagnose machine malfunctions.
- Lay brick to repair and maintain buildings, walls, arches and other structures.
- Maintain and repair specialized equipment and machinery found in cafeterias, laundries, hospitals, stores, offices, and factories.
- Operate cutting torches or welding equipment to cut or join metal parts.
- Order parts, supplies, and equipment from catalogs and suppliers, or obtain them from storerooms.
- Paint and repair roofs, windows, doors, floors, woodwork, plaster, drywall, and other parts of building structures.
- Perform routine preventive maintenance to ensure that machines continue to run smoothly, building systems operate efficiently, and the physical condition of buildings does not deteriorate.
- Plan and lay out repair work using diagrams, drawings, blueprints, maintenance manuals, and schematic diagrams.



Detailed Work Activities:

- adhere to safety procedures
- adjust or set mechanical controls or components
- apply cleaning solvents
- assist mechanic, or extractive or construction trades craft worker
- clean equipment or machinery
- clean rooms or work areas
- construct, erect, or repair wooden frameworks or structures
- cut, shape, fit, or join wood or other construction materials
- erect scaffold
- fabricate sheet metal parts or items
- fabricate, assemble, or disassemble manufactured products by hand
- inspect machinery or equipment to determine adjustments or repairs needed
- install equipment or attachments on machinery or related structures
- inventory stock to ensure adequate supplies
- load or unload material or workpiece into machinery
- lubricate machinery, equipment, or parts
- maintain or repair industrial or related equipment/machinery
- maintain repair records
- mix paint, ingredients, or chemicals, according to specifications
- move materials or goods between work areas
- move or fit heavy objects
- observe or listen to machinery or equipment operation to detect malfunctions
- operate crane in construction, manufacturing or repair setting
- operate hoist, winch, or hydraulic boom
- operate sandblasting equipment
- operate vacuum or air hose
- perform safety inspections in industrial, manufacturing or repair setting
- read specifications
- read work order, instructions, formulas, or processing charts
- repair or replace malfunctioning or worn mechanical components
- repair sheet metal products
- requisition stock, materials, supplies or equipment
- signal directions or warnings to coworkers
- test materials or solutions
- test mechanical products or equipment
- understand service or repair manuals

- Record maintenance and repair work performed and the costs of the work.
- Repair or replace defective equipment parts using hand tools and power tools, and reassemble equipment.
- Set up and operate machine tools to repair or fabricate machine parts, jigs and fixtures, and tools.
- Use tools ranging from common hand and power tools, such as hammers, hoists, saws, drills, and wrenches, to precision measuring instruments and electrical and electronic testing devices.

Detailed Tasks

Detailed Work Activities:

- adhere to safety procedures
- adjust or set mechanical controls or components
- align or adjust clearances of mechanical components or parts
- apply cleaning solvents
- assemble and install pipe sections, fittings, or plumbing fixtures
- assemble, dismantle, or reassemble equipment or machinery
- bend tubing or conduit
- build or repair structures in construction, repair, or manufacturing setting
- burn (cut), trim, or scarf metal objects
- climb ladders, scaffolding, or utility or telephone poles
- conduct tests to locate mechanical system malfunction
- construct, erect, or repair wooden frameworks or structures
- control HVAC equipment
- coordinate production maintenance activities
- cut, bend, or thread pipe for gas, air, hydraulic, or water lines
- cut, shape, fit, or join wood or other construction materials
- determine installation, service, or repair needed
- diagnose mechanical problems in machinery or equipment
- erect scaffold
- estimate time or cost for installation, repair, or construction projects
- fabricate sheet metal parts or items
- fabricate, assemble, or disassemble manufactured products by hand
- follow safe waste disposal procedures
- identify properties of metals for repair or fabrication activities
- inspect machinery or equipment to determine adjustments or repairs needed
- install doors, wood floors, window frames



- understand technical operating, service or repair manuals
- use acetylene welding/cutting torch
- use basic carpentry techniques
- use control or regulating devices to adjust or maintain industrial machinery
- use hand or power tools
- use hand or power woodworking tools
- use high voltage apparatus
- use knowledge of metric system
- use measuring devices in repairing industrial or heavy equipment
- use pneumatic tools
- use precision measuring devices in mechanical repair work
- use pressure gauges
- work as a team member

Technology - Examples

Data base user interface and query software

- Database software

Spreadsheet software

- Spreadsheet software

Word processing software

- Word processing software

Tools - Examples

- Abrasive wheels
- Abrasive rubbing stones
- Adjustable widemouth pliers
- Adjustable wrenches
- Bandsaws
- Oxyacetylene torches
- Dial calipers
- Compressed air guns
- Deburring tools
- Dollies
- Drill bits
- Ear plugs
- Forklifts
- Dial indicators
- Grease guns

- install doors, wood floors, window frames, trim, or stairs
- install electrical fixtures or components
- install electronic equipment, components, or systems
- install equipment or attachments on machinery or related structures
- install industrial machinery or related heavy equipment
- install insulating materials
- install locks, hinges, or related finish hardware
- install or replace glass in windows, skylights, or other structural surfaces
- install or replace meters, regulators, or related measuring or control devices
- install shingles, tile, slate, asphalt, or related roofing materials
- install/connect electrical equipment to power circuit
- install/string electrical or electronic cable or wiring
- lay or install brick, block, stone, tile, or related masonry material
- lubricate machinery, equipment, or parts
- maintain or repair industrial or related equipment/machinery
- maintain or repair work tools or equipment
- maintain repair records
- maintain specialized manufacturing or commercial equipment or machinery
- maintain welding machines or equipment
- measure and mark reference points or cutting lines on workpieces
- move or fit heavy objects
- observe or listen to machinery or equipment operation to detect malfunctions
- operate crane in construction, manufacturing or repair setting
- operate hoist, winch, or hydraulic boom
- order or purchase supplies, materials, or equipment
- paint walls or other structural surfaces
- perform safety inspections in industrial, manufacturing or repair setting
- plan or organize work
- position, align, or level machines, equipment, or structures
- prepare building surfaces for paint, finishes, wallpaper, or adhesives
- pressure test piping system or equipment for leaks
- read blueprints
- read schematics
- read specifications
- read technical drawings



- Lapping equipment

- Hammers

- Hard hats

- Chain falls

- Hold down clamps

- Jacks

- Ladders

- Lathes

- Levels

- Lockout hasps

- Metal cutters

- Metal inert gas MIG welders

- Micrometers

- Milling machines

- Personal computers

- Plumb bobs

- Jackhammers

- Buffing machines

- Power drills

- Grinding machines

- Bench saws

- Punches

- Reamers

- Respirators

- Rivet guns

- Rulers

- Safety glasses

- Safety belts

- Hacksaws

- Scaffolding

- Screwdrivers

- Shears

- read work order, instructions, formulas, or processing charts

- repair cracks, defects, or damage in installed building materials

- repair electronic components, equipment, or systems

- repair or adjust measuring or control devices

- repair or replace electrical wiring, circuits, fixtures, or equipment

- repair or replace gas, steam, sewer, or water piping or fixtures

- repair or replace locks, hinges, or related finish hardware

- repair or replace malfunctioning or worn mechanical components

- replace electronic components

- requisition stock, materials, supplies or equipment

- set up and operate variety of machine tools

- solder electrical or electronic connections or components

- test electrical/electronic wiring, equipment, systems or fixtures

- test mechanical products or equipment

- understand service or repair manuals

- understand technical operating, service or repair manuals

- use acetylene welding/cutting torch

- use arc welding equipment

- use basic carpentry techniques

- use basic plumbing techniques

- use building materials for routine building maintenance

- use combination welding procedures

- use control or regulating devices to adjust or maintain industrial machinery

- use electrical or electronic test devices or equipment

- use hand or power tools

- use hand or power woodworking tools

- use high voltage apparatus

- use knowledge of metric system

- use knowledge of ventilation systems

- use knowledge of welding filler rod types

- use machine tools in installation, maintenance, or repair

- use measuring devices in repairing industrial or heavy equipment

- use pipe fitting equipment

- use precision measuring devices in mechanical repair work

- use precision tools in electronics repair

- use pressure gauges

- use soldering equipment



- Rigging equipment

- Socket wrench sets

- Soldering guns

- Steel rules

- Sheet metal folders

- Dies

- Pipe threaders

- Tungsten inert gas TIG welding equipment

- Industrial vacuums

- Arc welders

- Welding tips

- Spot-welding equipment

- Workshop cranes

- Brakes

- use tube bending equipment

- use voltmeter, ammeter, or ohmmeter

- verify levelness or verticality, using level or plumb bob

- weld together metal parts, components, or structures

Technology - Examples

Calendar and scheduling software

- Computerized time management systems

Electronic mail software

- Microsoft Outlook

Facilities management software

- Computerized maintenance management system CMMS software

Industrial control software

- Digital Direct Control DDC Energy Management software

Internet browser software

- Web browser software

Office suite software

- Microsoft Office

Spreadsheet software

- Microsoft Excel

Word processing software

- Microsoft Word

Tools - Examples

- Adjustable widemouth pliers

- Adjustable crescent wrenches

- Air compressors

- Security alarm systems

- Volt-ammeters

- Augers

- Tractors with backhoe attachments

- Workshop bench vises

- Biscuit joiners

- Block and tackle equipment

- Cutting torches

- Locking C-clamps

- Dial calipers



- Caulking guns
- Metal chisels
- Conduit benders
- Desktop computers
- Utility pumps
- Diagonal cut pliers
- Dollies
- Closet augers
- Plungers
- Dump trucks
- Side cutting pliers
- Feeler gauges
- Hand files
- Fish tape pullers
- Two-wheel drive front end loaders
- Fuse pullers
- Brazing equipment
- Dial indicators
- Safety goggles
- Grease guns
- Hand grinders
- Valve grinding machines
- Hammer drills
- Ball peen hammers
- Hand operated spray guns
- Hand trucks
- Electric trimmers
- Allen wrenches
- Hoisting equipment
- Circle cutters
- Gasket cutters
- Boom trucks



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|-------------------------------|
| • Hand jacks |
| • Step ladders |
| • Lathes |
| • Lawn mowers |
| • Bubble levels |
| • Power lifts |
| • Ultrasonic leak detectors |
| • Channel lock pliers |
| • Inspection mirrors |
| • Rubber mallets |
| • Digital micrometers |
| • Miter boxes |
| • Needlenose pliers |
| • Laptop computers |
| • Nut drivers |
| • Hollow core socket wrenches |
| • Ohmmeters |
| • Oil dispensing cans |
| • Paint application brushes |
| • Paint application rollers |
| • Paint spray guns |
| • Personal computers |
| • Handheld computers |
| • Copper cutting machines |
| • Pipe vises |
| • End pipe wrenches |
| • Plumb bobs |
| • Jackhammers |
| • Chipping hammers |
| • Cordless power drills |
| • Electric nail guns |
| • Electric planers |



- Power routers
- Electric sanders
- Circular saws
- High pressure water sprayers
- Safety gloves
- Crowbars
- Bearing pullers
- Center punches
- Putty knives
- Comealongs
- Dust and particulate respirators
- Rulers
- Protective harnesses
- Protective footwear
- Hacksaws
- Scaffolding
- Screw extractor sets
- Flat blade screwdrivers
- Scribing tools
- Sewage pumps
- Sharpening equipment
- Shears
- Rigging equipment
- Slip joint pliers
- Snow blowers
- Snow plows
- Socket wrench sets
- Soldering equipment
- Basin wrenches
- Combination squares
- Straightedges
- Wire strippers



- Stud locators
- Measuring tapes
- Taps and dies
- Tension gauges
- Pipe threaders
- Tin snips
- Torque wrenches
- Trenchers
- Concrete trowels
- Tube benders
- Flaring tools
- Portable two way radios
- Utility knives
- Current testers
- Water sampling equipment
- Arc welders
- Wire cutting tools
- Wire crimpers
- Conduit cutters
- Workshop cranes
- Drill presses

Labor Market Comparison

Description	Maintenance Workers, Machinery	Maintenance and Repair Workers, General	Difference
Median Wage	\$ 34,100	\$ 31,020	\$ (3,080)
10th Percentile Wage	\$ 18,630	\$ 21,110	\$ 2,480
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 38,610	\$ 38,440	\$ (170)
90th Percentile Wage	\$ 43,370	\$ 49,520	\$ 6,150
Mean Wage	\$ 32,410	\$ 32,940	\$ 530
Total Employment - 2007	290	5,140	4,850
Employment Base - 2006	337	5,391	5,054



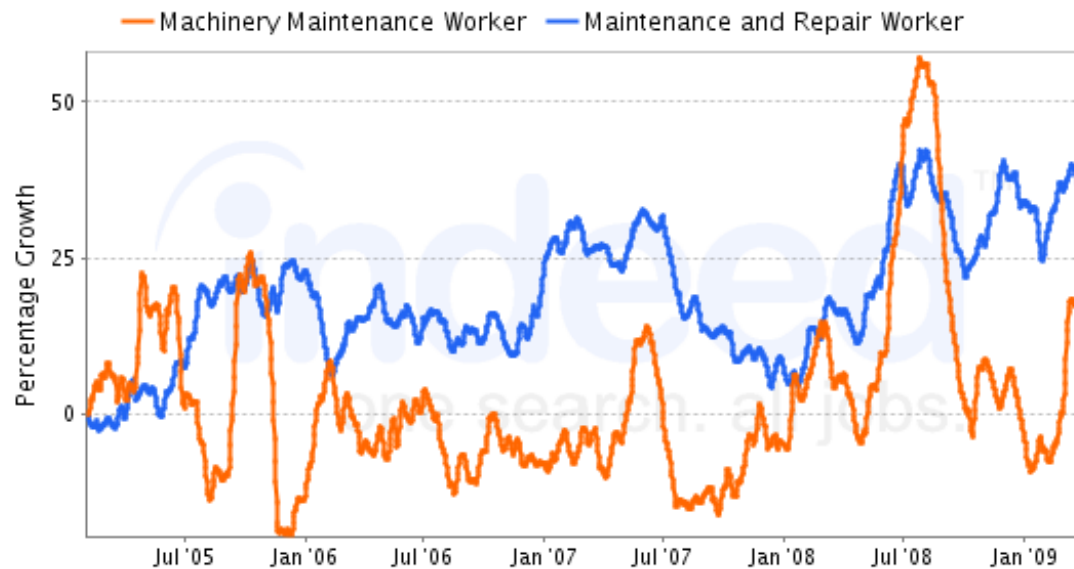
Projected Employment - 2016	278	5,572	5,294
Projected Job Growth - 2006-2016	-17.5 %	3.4 %	20.8 %
Projected Annual Openings - 2006-2016	5	31	26

National Job Posting Trends

Trend for Maintenance Workers, Machinery

Trend for
Maintenance
and Repair
Workers,
General

Job Trends from Indeed.com

Data from [Indeed](http://Indeed.com)

Recommended Programs

Agricultural Mechanization, General

Agricultural Mechanization, General. A program that generally prepares individuals to sell, select, and service agricultural or agribusiness technical equipment and facilities, including computers, specialized software, power units, machinery, equipment structures, and utilities. Includes instruction in agricultural power systems; planning and selecting materials for the construction of support facilities; mechanical practices associated with irrigation and water conservation; erosion control; and agricultural data processing systems.

No schools available for the program

Building/Property Main. and Manager

Building/Property Maintenance and Management. A program that prepares individuals to apply technical knowledge and skills to keep a building functioning, and to service a variety of structures including commercial and industrial buildings and mobile homes. Includes instruction in the basic maintenance and repair skills required to service building systems, such as air conditioning, heating, plumbing, electrical, major appliances, and other mechanical systems.

No schools available for the program

Building/Construction Site Management/Manager

Building/Construction Site Management/Manager. A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.

No schools available for the program



Mechanics and Repairers, Other

Mechanic and Repair Technologies/Technicians, Other. Any instructional program in mechanics and repairs not listed above.

Institution	Address	City	URL
Wasington County Community College	One College Drive	Calais	www.wccc.me.edu
Wasington County Community College	One College Drive	Calais	www.wccc.me.edu

Maine Statewide Promotion Opportunities for Maintenance Workers, Machinery

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
49-9043.00	Maintenance Workers, Machinery	100	1	290	\$34,100.00	\$0.00	-17%	5
51-4121.06	Welders, Cutters, and Welder Fitters	91	2	1,610	\$38,030.00	\$3,930.00	7%	49
49-9044.00	Millwrights	90	3	830	\$41,280.00	\$7,180.00	-12%	11
49-3051.00	Motorboat Mechanics	88	3	240	\$34,980.00	\$880.00	6%	8
51-4034.00	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	88	3	110	\$34,350.00	\$250.00	-9%	2
49-9041.00	Industrial Machinery Mechanics	88	3	990	\$39,370.00	\$5,270.00	7%	25
47-5021.00	Earth Drillers, Except Oil and Gas	88	3	140	\$37,470.00	\$3,370.00	2%	4
47-2011.00	Boilermakers	87	4	60	\$39,260.00	\$5,160.00	12%	3
49-3031.00	Bus and Truck Mechanics and Diesel Engine Specialists	87	3	1,180	\$34,210.00	\$110.00	6%	34
49-3042.00	Mobile Heavy Equipment Mechanics, Except Engines	87	4	880	\$37,010.00	\$2,910.00	5%	22
49-2094.00	Electrical and Electronics Repairers, Commercial and Industrial Equipment	86	3	440	\$49,450.00	\$15,350.00	-19%	15



49-2093.00	Electrical and Electronics Installers and Repairers, Transportation Equipment	85	3	130	\$35,960.00	\$1,860.00	4%	4
51-4111.00	Tool and Die Makers	85	3	160	\$51,670.00	\$17,570.00	-11%	2
47-4021.00	Elevator Installers and Repairers	84	4	0	\$50,960.00	\$16,860.00	0%	0
51-4041.00	Machinists	84	3	1,860	\$41,560.00	\$7,460.00	4%	35

Top Industries for Maintenance and Repair Workers, General

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Lessors of real estate	531100	9.05%	125,853	138,660	10.18%
Local government, excluding education and hospitals	939300	7.30%	101,552	114,081	12.34%
Activities related to real estate	531300	5.42%	75,449	96,150	27.44%
Elementary and secondary schools, public and private	611100	3.99%	55,510	58,497	5.38%
Colleges, universities, and professional schools, public and private	611300	2.72%	37,891	42,390	11.87%
General medical and surgical hospitals, public and private	622100	2.48%	34,495	38,189	10.71%
Religious organizations	813100	2.44%	33,871	40,648	20.01%
Employment services	561300	2.30%	31,932	40,414	26.56%
State government, excluding education and hospitals	929200	1.58%	21,973	21,562	-1.87%
Offices of real estate agents and brokers	531200	1.45%	20,200	24,604	21.81%
Nursing care facilities	623100	1.36%	18,977	20,624	8.68%
Management of companies and enterprises	551100	1.34%	18,609	21,453	15.28%
Plastics product manufacturing	326100	1.10%	15,246	16,161	6.00%
Motor vehicle parts manufacturing	336300	0.96%	13,311	10,598	-20.39%
Animal slaughtering and processing	311600	0.91%	12,633	14,418	14.13%

Top Industries for Maintenance Workers, Machinery

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Local government, excluding education and hospitals	939300	6.40%	5,397	6,063	12.34%
Motor vehicle parts manufacturing	336300	3.89%	3,278	2,610	-20.39%
Plastics product manufacturing	326100	3.16%	2,666	2,826	6.00%



Animal production; primary job	112000	2.73%	2,304	2,043	-11.34%
Animal slaughtering and processing	311600	2.47%	2,079	2,373	14.13%
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	811300	2.36%	1,988	2,104	5.82%
Support activities for air transportation	488100	2.25%	1,897	2,292	20.80%
Coal mining	212100	1.76%	1,483	1,498	0.99%
Pharmaceutical and medicine manufacturing	325400	1.71%	1,439	1,814	26.03%
Colleges, universities, and professional schools, public and private	611300	1.70%	1,437	1,608	11.87%
Fabric mills	313200	1.53%	1,286	908	-29.38%
Commercial and industrial machinery and equipment rental and leasing	532400	1.52%	1,281	1,565	22.19%
Pulp, paper, and paperboard mills	322100	1.49%	1,256	871	-30.64%
Electric power generation, transmission and distribution	221100	1.47%	1,241	1,141	-8.03%
Converted paper product manufacturing	322200	1.39%	1,168	980	-16.08%